Han Sang Yoo

List of Publications by Year in descending order

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257450 289244 2,148 117 24 40 citations h-index g-index papers 121 121 121 2844 docs citations times ranked citing authors all docs

#	Article	lF	CITATIONS
1	Control of paratuberculosis: who, why and how. A review of 48 countries. BMC Veterinary Research, 2019, 15, 198.	1.9	219
2	The potential of mannosylated chitosan microspheres to target macrophage mannose receptors in an adjuvant-delivery system for intranasal immunization. Biomaterials, 2008, 29, 1931-1939.	11.4	145
3	Application of chitosan microspheres for nasal delivery of vaccines. Biotechnology Advances, 2009, 27, 857-865.	11.7	113
4	Evaluation of the antimicrobial activity of florfenicol against bacteria isolated from bovine and porcine respiratory disease. Veterinary Microbiology, 2005, 106, 73-77.	1.9	84
5	In vivo induction of mucosal immune responses by intranasal administration of chitosan microspheres containing Bordetella bronchiseptica DNT. European Journal of Pharmaceutics and Biopharmaceutics, 2006, 63, 215-220.	4.3	60
6	The Application of Mucoadhesive Chitosan Nanoparticles in Nasal Drug Delivery. Marine Drugs, 2020, 18, 605.	4.6	60
7	Prevalence of Antimicrobial Resistance and Transfer of Tetracycline Resistance Genes in Escherichia coli Isolates from Beef Cattle. Applied and Environmental Microbiology, 2015, 81, 5560-5566.	3.1	55
8	COVID-19 and veterinarians for one health, zoonotic- and reverse-zoonotic transmissions. Journal of Veterinary Science, 2020, 21, e51.	1.3	48
9	Biofilm-forming associated genotypic and phenotypic characteristics of Staphylococcus spp. isolated from animals and air. Research in Veterinary Science, 2008, 85, 433-438.	1.9	46
10	The case for plant-made veterinary immunotherapeutics. Biotechnology Advances, 2016, 34, 597-604.	11.7	46
11	Gene expression profiles of immune-regulatory genes in whole blood of cattle with a subclinical infection of Mycobacterium avium subsp. paratuberculosis. PLoS ONE, 2018, 13, e0196502.	2.5	41
12	In Vitro Cellular Immune Responses to Recombinant Antigens of Mycobacterium avium subsp. paratuberculosis. Infection and Immunity, 2005, 73, 5074-5085.	2.2	40
13	Dependence Potential of the Synthetic Cannabinoids JWH-073, JWH-081, and JWH-210: In Vivo and In Vitro Approaches. Biomolecules and Therapeutics, 2014, 22, 363-369.	2.4	32
14	Bringing plant-based veterinary vaccines to market: Managing regulatory and commercial hurdles. Biotechnology Advances, 2015, 33, 1572-1581.	11.7	32
15	Antibiotic Resistance Patterns and Detection of <i> bla </i> < sub > DHA-1 < /sub > in <i> Salmonella < /i > Species Isolates from Chicken Farms in South Korea. Applied and Environmental Microbiology, 2010, 76, 4760-4764.</i>	3.1	31
16	Evaluation of the combined use of the recombinant Brucella abortus Omp10, Omp19 and Omp28 proteins for the clinical diagnosis of bovine brucellosis. Microbial Pathogenesis, 2015, 83-84, 41-46.	2.9	31
17	African swine fever: Etiology, epidemiological status in Korea, and perspective on control. Journal of Veterinary Science, 2020, 21, e38.	1.3	28
18	Characteristics of Transmissible CTX-M- and CMY-Type "¿½"½"Lactamase-Producing Escherichia coli Isolates Collected from Pig and Chicken Farms in South Korea. Journal of Microbiology and Biotechnology, 2017, 27, 1716-1723.	2.1	28

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19	Whole-Blood Gene-Expression Profiles of Cows Infected with Mycobacterium avium subsp. paratuberculosis Reveal Changes in Immune Response and Lipid Metabolism. Journal of Microbiology and Biotechnology, 2015, 25, 255-267.	2.1	27
20	Comparison of real-time reverse transcriptase–polymerase chain reaction and nested or commercial reverse transcriptase–polymerase chain reaction for the detection of hepatitis E virus particle in human serum. Diagnostic Microbiology and Infectious Disease, 2006, 56, 269-274.	1.8	26
21	Animal vaccines based on orally presented yeast recombinants. Vaccine, 2013, 31, 4287-4292.	3.8	26
22	Early transcriptional responses of internalization defective Brucella abortus mutants in professional phagocytes, RAW 264.7. BMC Genomics, 2013, 14, 426.	2.8	25
23	Host gene expression for Mycobacterium avium subsp. paratuberculosis infection in human THP-1 macrophages. Pathogens and Disease, 2015, 73, .	2.0	25
24	Emergence of mcr-1 and mcr-3 variants coding for plasmid-mediated colistin resistance in Escherichia coli isolates from food- producing animals in South Korea. International Journal of Infectious Diseases, 2018, 72, 22-24.	3.3	25
25	Changes in patterns of antimicrobial susceptibility and class 1 integron carriage among Escherichia coli isolates. Journal of Veterinary Science, 2005, 6, 201.	1.3	25
26	Isolation, characterization, and evaluation of wild isolates of Lactobacillus reuteri from pig feces. Journal of Microbiology, 2009, 47, 663-672.	2.8	24
27	Infectious Causes of Reproductive Disorders in Cattle. Journal of Reproduction and Development, 2010, 56, S53-S60.	1.4	24
28	Prevalence of Class A and AmpC β-Lactamases in Clinical <i>Escherichia coli</i> Isolates from Pakistan Institute of Medical Science, Islamabad, Pakistan. Japanese Journal of Infectious Diseases, 2011, 64, 249-252.	1.2	24
29	Immunoproteomic identification of immunodominant antigens independent of the time of infection in Brucella abortus 2308-challenged cattle. Veterinary Research, 2015, 46, 17.	3.0	23
30	Dependence Potential of Tramadol: Behavioral Pharmacology in Rodents. Biomolecules and Therapeutics, 2014, 22, 558-562.	2.4	23
31	Comparative antibody response of five recombinant antigens in related to bacterial shedding levels and development of serological diagnosis based on 35 kDa antigen for Mycobacterium avium subsp. paratuberculosis. Journal of Veterinary Science, 2004, 5, 111.	1.3	22
32	Development of vaccines to Mycobacterium avium subsp. paratuber culosis infection. Clinical and Experimental Vaccine Research, 2016, 5, 108.	2.2	22
33	Elicitation of Th1/Th2 related responses in mice by chitosan nanoparticles loaded with Brucella abortus malate dehydrogenase, outer membrane proteins 10 and 19. International Journal of Medical Microbiology, 2020, 310, 151362.	3.6	22
34	Nasal immunization with M cell-targeting ligand-conjugated ApxIIA toxin fragment induces protective immunity against Actinobacillus pleuropneumoniae infection in a murine model. Veterinary Microbiology, 2015, 177, 142-153.	1.9	20
35	Occurrence of aminoglycoside-modifying enzymes among isolates of Escherichia coli exhibiting high levels of aminoglycoside resistance isolated from Korean cattle farms. FEMS Microbiology Letters, 2017, 364, .	1.8	20
36	Interrelationship between tetracycline resistance determinants, phylogenetic group affiliation and carriage of class 1 integrons in commensal Escherichia coli isolates from cattle farms. BMC Veterinary Research, 2018, 14, 340.	1.9	20

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37	Assessment of the safety and efficacy of an attenuated live vaccine based on highly virulent genotype 2b porcine epidemic diarrhea virus in nursing piglets. Veterinary Microbiology, 2019, 231, 120-128.	1.9	19
38	Host Transcriptional Profiles and Immunopathologic Response following Mycobacterium avium subsp. paratuberculosis Infection in Mice. PLoS ONE, 2015, 10, e0138770.	2.5	18
39	Gene expression profiles of putative biomarker candidates in Mycobacterium avium subsp. paratuber culosis-infected cattle. Pathogens and Disease, 2016, 74, ftw 022.	2.0	18
40	Analysis of Transcriptional Profiles to Discover Biomarker Candidates in Mycobacterium avium subsp. paratuberculosis-Infected Macrophages, RAW 264.7. Journal of Microbiology and Biotechnology, 2013, 23, 1167-1175.	2.1	18
41	Induction of Th2-related immune responses and production of systemic IgA in mice intranasally immunized with Brucella abortus malate dehydrogenase loaded chitosan nanoparticles. Vaccine, 2019, 37, 1554-1564.	3.8	17
42	Effective DNA extraction method to improve detection of Mycobacterium avium subsp. paratuberculosis in bovine feces. Korean Journal of Veterinary Research, 2014, 54, 55-57.	0.2	17
43	An immunosorbent assay based on the recombinant Apxla, Apxlla, and Apxllla toxins of <i>Actinobacillus pleuropneumoniae</i> and its application to field sera. Journal of Veterinary Diagnostic Investigation, 2011, 23, 736-742.	1.1	16
44	Induction of protective immune responses against challenge of Actinobacillus pleuropneumoniae by oral administration with Saccharomyces cerevisiae expressing Apx toxins in pigs. Veterinary Immunology and Immunopathology, 2013, 151, 132-139.	1.2	16
45	Evaluation of Th1/Th2-Related Immune Response against Recombinant Proteins of Brucella abortus Infection in Mice. Journal of Microbiology and Biotechnology, 2016, 26, 1132-1139.	2.1	16
46	Generation and envelope protein analysis of internalization defective Brucella abortus mutants in professional phagocytes, RAW 264.7. FEMS Immunology and Medical Microbiology, 2012, 64, 244-254.	2.7	15
47	Distribution and antimicrobial resistance profiles of bacterial species in stray dogs, hospital-admitted dogs, and veterinary staff in South Korea. Preventive Veterinary Medicine, 2020, 184, 105151.	1.9	15
48	Efficacy of Porcine Epidemic Diarrhea Vaccines: A Systematic Review and Meta-Analysis. Vaccines, 2020, 8, 642.	4.4	15
49	Expression of cytokine and apoptosis-related genes in bovine peripheral blood mononuclear cells stimulated with Brucella abortus recombinant proteins. Veterinary Research, 2016, 47, 30.	3.0	14
50	Generation of transgenic corn-derived i> Actinobacillus pleuropneumoniae / i> ApxIIA fused with the cholera toxin B subunit as a vaccine candidate. Journal of Veterinary Science, 2011, 12, 401.	1.3	13
51	Induction of systemic immunity through nasal-associated lymphoid tissue (NALT) of mice intranasally immunized with Brucella abortus malate dehydrogenase-loaded chitosan nanoparticles. PLoS ONE, 2020, 15, e0228463.	2.5	13
52	Establishment and characterization of <i>Prnp </i> knockdown neuroblastoma cells using dual microRNA-mediated RNA interference. Prion, 2011, 5, 93-102.	1.8	12
53	Antimicrobial resistance, virulence genes and PFGE-profiling of Escherichia coli isolates from South Korean cattle farms. Journal of Microbiology, 2014, 52, 785-793.	2.8	12
54	Modulation of Macrophage Activities in Proliferation, Lysosome, and Phagosome by the Nonspecific Immunostimulator, Mica. PLoS ONE, 2015, 10, e0117838.	2. 5	12

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55	Establishment a real-time reverse transcription PCR based on host biomarkers for the detection of the subclinical cases of Mycobacterium avium subsp. paratuberculosis. PLoS ONE, 2017, 12, e0178336.	2.5	12
56	Induction of Immune Responses by Two Recombinant Proteins of Brucella abortus, Outer Membrane Proteins 2b Porin and Cu/Zn Superoxide Dismutase, in Mouse Model. Journal of Microbiology and Biotechnology, 2014, 24, 854-861.	2.1	12
57	Genomic diversity of Mycobacterium avium subsp. paratuberculosis: pangenomic approach for highlighting unique genomic features with newly constructed complete genomes. Veterinary Research, 2021, 52, 46.	3.0	11
58	Comparative Analysis of Immune Responses to Outer Membrane Antigens OMP10, OMP19, and OMP28 of <i>Brucella abortus</i> . Japanese Journal of Infectious Diseases, 2018, 71, 197-204.	1.2	10
59	$16\mathrm{S}$ and $23\mathrm{S}$ rRNA Gene Mutation Independent Multidrug Resistance of Non-Tuberculous Mycobacteria Isolated from South Korean Soil. Microorganisms, 2020, $8,1114.$	3.6	10
60	The development of herbicide-resistant maize: stable Agrobacterium-mediated transformation of maize using explants of type II embryogenic calli. Plant Biotechnology Reports, 2009, 3, 277-283.	1.5	9
61	Oral immunization of mice with <i>Saccharomyces cerevisiae</i> expressing a neutralizing epitope of Apx <scp>llA</scp> exotoxin from <i>Actinobacillus pleuropneumoniae</i> induces systemic and mucosal immune responses. Microbiology and Immunology, 2013, 57, 417-425.	1.4	9
62	Dual MicroRNA to Cellular Prion Protein Inhibits Propagation of Pathogenic Prion Protein in Cultured Cells. Molecular Neurobiology, 2018, 55, 2384-2396.	4.0	9
63	Recent research on bovine paratuberculosis in South Korea. Veterinary Immunology and Immunopathology, 2012, 148, 23-28.	1.2	8
64	Supplementation of dietary germanium biotite enhances induction of the immune responses by foot-and-mouth disease vaccine in cattle. BMC Veterinary Research, 2014, 10, 179.	1.9	8
65	Induction of immune responses in mice and pigs by oral administration of classical swine fever virus E2 protein expressed in rice calli. Archives of Virology, 2014, 159, 3219-3230.	2.1	8
66	Th2-related immune responses by the Brucella abortus cellular antigens, malate dehydrogenase, elongation factor, and arginase. Microbial Pathogenesis, 2017, 110, 7-13.	2.9	8
67	Cytokines production and toll-like receptors expression in human leukemic monocyte cells, THP-1, stimulated with Brucella abortus cellular antigens. Microbial Pathogenesis, 2018, 122, 7-12.	2.9	8
68	Predicting genetic traits and epitope analysis of apxIVA in Actinobacillus pleuropneumoniae. Journal of Microbiology, 2011, 49, 462-468.	2.8	7
69	An ISMap 02 -like insertion sequence in Mycobacterium spp. interferes with specific detection of Mycobacterium avium subsp. paratuberculosis. Veterinary Microbiology, 2018, 216, 1-6.	1.9	7
70	Induction of Th2 response through TLR2-mediated MyD88-dependent pathway in human microfold cells stimulated with chitosan nanoparticles loaded with Brucella abortus Mdh. Microbial Pathogenesis, 2020, 142, 104040.	2.9	7
71	Alpha-2-Macroglobulin as a New Promising Biomarker Improving the Diagnostic Sensitivity of Bovine Paratuberculosis. Frontiers in Veterinary Science, 2021, 8, 637716.	2.2	7
72	Generation and protective efficacy of a cold-adapted attenuated genotype 2b porcine epidemic diarrhea virus. Journal of Veterinary Science, 2019, 20, e32.	1.3	7

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73	Modulatory Effects of Ionized Alkali Mineral Complex(IAMC) on mRNA Expression of Porcine Cytokines Journal of Veterinary Medical Science, 2001, 63, 1179-1182.	0.9	6
74	Foot and Mouth Disease: Etiology, Epidemiology and Control Measures. Infection and Chemotherapy, 2011, 43, 178.	2.3	6
75	Development of a novel enzyme-linked immunosorbent assay to detect anti-lgG against swine hepatitis E virus. Journal of Veterinary Science, 2013, 14, 467.	1.3	6
76	Effects of Germanium Biotite Supplement on Immune Responses of Vaccinated Mini-pigs to Foot-and-Mouth Disease Virus Challenge. Immunological Investigations, 2015, 44, 101-112.	2.0	6
77	PCR-based detection of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> infection in cattle in South Korea using fecal samples. Journal of Veterinary Medical Science, 2016, 78, 1537-1540.	0.9	6
78	Potential biomarkers as an indicator of vertical transmission of Johne's disease in a Korean native cattle farm. Journal of Veterinary Science, 2017, 18, 343.	1.3	6
79	Genetic diversity of bovineMycobacterium aviumsubsp.paratuberculosisdiscriminated by IS1311PCR-REA, MIRU-VNTR, and MLSSR genotyping. Journal of Veterinary Science, 2018, 19, 627.	1.3	6
80	Comparative genomic analysis of plasmids encoding metallo- \hat{l}^2 -lactamase NDM-5 in Enterobacterales Korean isolates from companion dogs. Scientific Reports, 2022, 12, 1569.	3.3	6
81	Changes in patterns of antimicrobial susceptibility and class 1 integron carriage among Escherichia coli isolates. Journal of Veterinary Science, 2005, 6, 201-5.	1.3	6
82	Analysis of the helicase gene of Korean swine hepatitis E virus isolates and trends in viral infection. Archives of Virology, 2009, 154, 1361-1364.	2.1	5
83	Profiling of antimicrobial resistance and plasmid replicon types in β-lactamase producing <i>Escherichia coli</i> isolated from Korean beef cattle. Journal of Veterinary Science, 2015, 16, 483.	1.3	5
84	Global gene-expression profiles of intracellular survival of the BruAb2_1031 gene mutated Brucella abortus in professional phagocytes, RAW 264.7 cells. BMC Microbiology, 2018, 18, 82.	3.3	5
85	Global Gene Networks in 3D4/31 Porcine Alveolar Macrophages Treated with Antigenic Epitopes of Actinobacillus pleuropneumoniae ApxIA, IIA, and IVA. Scientific Reports, 2019, 9, 5269.	3.3	5
86	Development of <i> Actinobacillus pleuropneumoniae </i> ApxI, ApxI, and ApxIII-specific ELISA methods for evaluation of vaccine efficiency. Journal of Veterinary Science, 2019, 20, e2.	1.3	5
87	Epithelial processed Mycobacterium avium subsp. paratuberculosis induced prolonged Th17 response and suppression of phagocytic maturation in bovine peripheral blood mononuclear cells. Scientific Reports, 2020, 10, 21048.	3.3	5
88	MicroRNA profiling in bovine serum according to the stage of Mycobacterium avium subsp. paratuberculosis infection. PLoS ONE, 2021, 16, e0259539.	2.5	5
89	Efficacy of bivalent vaccines of porcine circovirus type 2 and <i>Mycoplasma hyopneumoniae</i> in specific pathogen-free pigs challenged with porcine circovirus type 2d. Journal of Veterinary Science, 2022, 23, .	1.3	5
90	Identification of Dendritic Cell Maturation, TLR, and TREM1 Signaling Pathways in the Brucella canis Infected Canine Macrophage Cells, DH82, Through Transcriptomic Analysis. Frontiers in Veterinary Science, 2021, 8, 619759.	2.2	4

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91	Mycobacterium avium Modulates the Protective Immune Response in Canine Peripheral Blood Mononuclear Cells. Frontiers in Cellular and Infection Microbiology, 2020, 10, 609712.	3.9	4
92	Evaluation of the immunobiological effects of a regenerative far-infrared heating system in pigs. Journal of Veterinary Science, 2019, 20, e61.	1.3	4
93	Mouse neuronal cells expressing exogenous bovinePRNPand simultaneous downregulation of endogenous mousePRNPusing siRNAs. Prion, 2010, 4, 32-37.	1.8	3
94	Surveillance of Rift Valley Fever Virus in Mosquito Vectors of the Republic of Korea. Vector-Borne and Zoonotic Diseases, 2016, 16, 131-135.	1.5	3
95	Revealing immune responses in the Mycobacterium avium subsp. paratuberculosis-infected THP-1 cells using single cell RNA-sequencing. PLoS ONE, 2021, 16, e0254194.	2.5	3
96	Expression of Recombinant Porcine Interleukin-2 and Application of Its Antibody to Immunoassays. Journal of Veterinary Science, 2002, 3, 207.	1.3	3
97	Detection and Genetic Characterization of Isolates of Hepatitis E Virus from Pigs and Human in Chungnam Region of Korea. Journal of Bacteriology and Virology, 2006, 36, 31.	0.1	2
98	Guidelines for vaccination of dogs and cats in Korea. Clinical and Experimental Vaccine Research, 2014, 3, 244.	2.2	2
99	Genetic Analysis of p17S-208 Plasmid Encoding the Colistin Resistance mcr-3 Gene in Escherichia coli Isolated from Swine in South Korea. Microbial Drug Resistance, 2019, 25, 457-461.	2.0	2
100	Molecular characteristics of Brucella abortus mutants generated using EZ-Tn5Tm pMODTm-3 transposon system. Journal of Preventive Veterinary Medicine, 2015, 39, 144-152.	0.1	2
101	Genes Related to Intracellular Survival of Brucella abortus in THP-1 Macrophage Cells. Journal of Microbiology and Biotechnology, 2018, 28, 1736-1748.	2.1	2
102	Comparative analysis of serological tests and fecal detection in the diagnosis of Mycobacterium avium subspecies paratuberculosis infection. Korean Journal of Veterinary Research, 2020, 60, 117-122.	0.3	2
103	Mycobacterium intracellulare induces a Th17 immune response via M1-like macrophage polarization in canine peripheral blood mononuclear cells. Scientific Reports, 2022, 12, .	3.3	2
104	Immunological responses against vancomycin-resistant <i>Enterococcus faecium</i> Enterococcus faecalisby mice. Journal of Immunoassay and Immunochemistry, 2018, 39, 163-172.	1.1	1
105	Biomarkers as diagnostic tools for mycobacterial infections in cattle. Animal Health Research Reviews, 2021, 22, 72-84.	3.1	1
106	Investigation of Staphylococcus aureus, prevailing in the environment of Khyber Teaching Hospital, Peshawar, Pakistan. Pakistan Journal of Pharmaceutical Sciences, 2018, 31, 429-437.	0.2	1
107	Title is missing!. , 2020, 15, e0228463.		1
108	Fetuin as a potential serum biomarker to detect subclinical shedder of bovine paratuberculosis. Microbial Pathogenesis, 2022, 169, 105675.	2.9	1

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109	Effect of Enrofloxacin-Na against Pathogens Related to the Respiratory and Alimentary Diseases in Suckling and Weanling Piglets Journal of Veterinary Medical Science, 2001, 63, 67-72.	0.9	O
110	Suggested guidelines for vaccination of cattle in Korea. Clinical and Experimental Vaccine Research, 2015, 4, 200.	2.2	0
111	Suggested guidelines for vaccination of pigs in Korea. Clinical and Experimental Vaccine Research, 2015, 4, 119.	2.2	0
112	Middle East Respiratory Syndrome (MERS) Outbreaks in Korea. Journal of Veterinary Epidemiology, 2016, 20, S17-S17.	0.2	0
113	Development of a Quantitative RT-PCR Assay to Differentiate Rift Valley Fever Virus Smithburn Vaccine Strain from Clone 13 Vaccine Strain. Vector-Borne and Zoonotic Diseases, 2019, 19, 121-127.	1.5	O
114	Analysis of protein expression inBrucella abortusmutants with different growth rates by two-dimensional gel electrophoresis and LC-MS/MS peptide analysis. Journal of Veterinary Science, 2018, 19, 216.	1.3	0
115	Title is missing!. , 2020, 15, e0228463.		0
116	Title is missing!. , 2020, 15, e0228463.		0
117	Title is missing!. , 2020, 15, e0228463.		O